

Publications of the
DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS

Letter
Circular
LC 155

WASHINGTON, D. C.

June 30, 1927.

PUBLICATIONS BY THE BUREAU OF STANDARDS ON
CEMENT, CONCRETE, REINFORCED CONCRETE, STUCCO,
MAGNESITE, BUILDING STONE AND RELATED SUBJECTS.

(Publications starred thus (**) are no longer available for distribution or sale. Copies may be consulted in the various depository libraries of the Bureau throughout the United States. Copies of other publications may be purchased from the Office of the Superintendent of Public Documents, Government Printing Office, Washington, D. C. at the prices appended except the letter circulars which will be furnished upon request to the Bureau.)

T e c h n o l o g i c P a p e r s

Number	Title	Price
**T 2	The Strength of Reinforced Concrete Beams - Results of Tests of 333 Beams (First Series) - Richard L. Humphrey and Louis H. Losse. June 27, 1911 - 200 pages	
**T 3	Tests of the Absorptive and Permeable Properties of Portland Cement Mortars, and concretes, To- gether with Tests of Damp-proofing and Water- proofing Compounds and Materials - Rudolph J. Wig and P. H. Bates. August 22, 1911 - 127 pages	
**T 5	The Effect of High-Pressure Steam on the Crushing Strength of Portland Cement Mortar and Concrete - Rudolph J. Wig. September 5, 1911 - 25 pages	
**T 12	Action of the Salts in Alkali Water and Sea Water on Cement - P. H. Bates, A. J. Phillips and Rudolph J. Wig. Nov. 1, 1912 - 157 pages	
T 18	Electrolysis in Concrete - E. B. Rosa, Burton McCollum and O. S. Peters. March 19, 1913 - 137 pages	

35¢

- **T 29 Variation in Results of Sieving with Standard Cement Sieves - R. J. Wig and J. C. Pearson. August 1, 1913 - 16 pages
- T 42 Standardization of No. 200 Cement Sieves - R. J. Wig and J. C. Pearson. July 30, 1914 - 50 pages 10¢
- **T 43 Hydration of Portland Cement - A. A. Klein and A. J. Phillips. April 18, 1914 - 71 pages
- **T 44 Investigation of the Durability of Cement Drain Tile in Alkali Soils - R. J. Wig and G. M. Williams (with S. H. McGrory, E. C. Bebb, and L. R. Gerguson). July 22, 1915 - 56 pages - superseded by T 95
- T 47 Value of the High Pressure Steam Tests of Portland Cement - Rudolph J. Wig and H. A. Davis. August 18, 1915 - 34 pages 15¢
- **T 48 An Air Analyzer for Determining the Fineness of Cement - J. C. Pearson and W. H. Sligh. September 8, 1915 - 74 pages
- **T 58 Strength and Other Properties of Concretes as Affected by Materials and Methods of Preparation - R. J. Wig, G. M. Williams and E. R. Gates. June 20, 1916 - 172 pages
- T 70 Durability of Stucco and Plaster Construction - R. J. Wig, J. C. Pearson and W. E. Emley. Jan. 31, 1917 - 74 pages 15¢
- **T 78 Properties of the Calcium Silicates and Calcium Aluminate Occurring in Normal Portland Cement - P. H. Bates, and A. A. Klein. June 9, 1917 - 38 pages
- T 95 Durability of Cement Drain Tile and Concrete in Alkali Soils - R. J. Wig, G. M. Williams and A. N. Finn, in cooperation with S. H. McGrory, E. C. Bebb and L. R. Ferguson. Nov. 15, 1917 - 94 pages 50¢
- T 102 The Properties of Portland Cement Having a High Magnesia Content - P. H. Bates. January 19, 1918 - 42 pages 15¢
- **T 123 Physical and Chemical Tests of the Commercial Marbles of the United States - D. W. Kessler. July 15, 1919 - 54 pages

- T 173 Tests of Bond Resistance Between Concrete and Steel - W. A. Slater, F. E. Richart and G. G. Scofield. November 1, 1920 - 66 pages 25¢
- T 174 Effect of Cal as an Accelerator of the Hardening of Portland Cement Mixtures - Roy N. Young. October 11, 1920 - 24 pages 5¢
- T 175 Pouring and Pressure Tests of Concrete - W. A. Slater and A. T. Goldbeck. October 11, 1920 - 13 pages 5¢
- T 182 Effect of Repeated Reversals of Stress on Double-reinforced Concrete Beams - W. A. Slater, G. A. Smith and H. P. Mueller. Dec. 20, 1920 - 51 pages 15¢
- T 197 Cementing Qualities of the Calcium Aluminates - P. H. Bates. Sept. 27, 1921 - 27 pages 10¢
- T 214 Durability of Cement Drain Tile and Concrete in Alkali Soils: Third Progress Report (1919-20) G. M. Williams. May 20, 1922 - 32 pages 10¢
- T 220 Tests of a Hollow Tile and Concrete Floor Slab Reinforced in Two Directions - W. A. Slater, Arthur Hagener and G. P. Anthes. Nov. 15, 1922 -- 66 pages 25¢
- T 233 Tests of Heavily Reinforced Concrete Slab Beams - W. A. Slater and Fred B. Seely. March 20, 1923 - 47 pages 15¢
- T 236 Loading Tests of a Hollow Tile and Reinforced Concrete Floor of Arlington Building, Washington D. C. - Louis J. Larson and Serge N. Petrenko. April 21, 1923 - 40 pages 15¢
- T 239 Tests of Caustic Magnesia Made from Magnesite from Several Sources - P. H. Bates, Roy N. Young and Paul Rapp. Sept. 14, 1923 - 29 pages 10¢
- T 248 Exposure Tests on Colorless Waterproofing Materials - D. W. Kessler. January 7, 1924 - 33 pages 15¢

T 272	Fire Resistance of Concrete Columns - W. A. Hull & S. H. Ingberg - 73 pages. April 29, 1924	25¢
T 291	Tests of Hollow Tile and Concrete Slabs Reinforced in One Direction - Douglas E. Parsons and Ambrose H. Stang - 50 pages. March 14, 1925	25¢
T 305	Permeability of Stone - D. W. Kessler - January 14, 1926 - 23 pages. July 29, 1925	10¢
T 307	Durability of Cement Drain Tile and Concrete in Alkali Soils: Fourth Progress Report (1923) - 50 pages. April 29, 1925	20¢
T 314	Shear Tests of Reinforced Concrete Beams - Willis A. Slater, Arthur R. Lord and Roy R. Zipprodt - 110 pages. May 15, 1925	50¢

C i r c u l a r s

Number	Title	Price
C 33	United States Government Specification for Portland Cement (4th edition) June 10, 1927	10¢
**C 39	Specifications for and Measurement of Standard Sieves (Superceded by LC No. 74 April 15, 1924).	
C 70	Materials for the Household (Non-technical information on use of cement) Dec. 5, 1917	25¢
C 135	Caustic Magnesia Cement - Oct. 16, 1922	5¢
C 304	Properties and Manufacture of Concrete Building Units - June 10, 1926	20¢
C 311	Stucco Investigations at the Bureau of Standards with Recommendations for Portland Cement Stucco Construction. May 20, 1926	15¢
C 321	United States Government Master Specification for Masonry Cement (F. S. B. 443) February 1, 1927	5¢
C 322	United States Government Master Specification for Integral Waterproofing Material, Water-Repellent Type (For Use with Portland Cement Mortar or Concrete) (F. S. B. 444) February 1, 1927	5¢

- C 323 United States Government Master Specification
 for Cement, Plastic Magnesia (Magnesia-
 Oxychloride) Used as Flooring, Bases, Wainscots,
 etc. (F. S. B. 445) April 13, 1927 5¢

L e t t e r C i r c u l a r s

- LC 42 Acid-Proof Coatings for Concrete Surfaces -
 February 12, 1923
- LC 74 Standard Specifications for Sieves - April 15,
 1925
- LC 139 Reports of Service Tests on Concrete Floor Treatments -
 October 28, 1920
- LC 140 Blast Furnace Slag as Concrete Aggregate - Sep-
 tember, 1921
- LC 141 Inspection of Portland Cement - September, 1922
- LC 142 The Principal Requirements of Portland Cement
 Specifications of Various Countries - August
 17, 1921

